

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE*In re* Application of:

Crowther, et al.

Serial No.: 09/955,507

Filed: September 18, 2001

Title: Catalyst Compounds, Catalyst Systems Thereof and Their Use in A Polymerization Process

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BEFORE THE EXAMINER:

Rob Rábago

Group Art Unit No.: 1713

Attorney Docket No.: 1999U033.US

Houston, Texas

January 21, 2003

Assistant Commissioner for Patents and Trademarks
Washington, D.C. 20231**RESPONSE UNDER 37 C.F.R. § 1.116**

Sir:

In response to the Office Action mailed November 21, 2002, Applicants offer the following claim clarifications and remarks.

IN THE CLAIMS

Please amend the claims as follows. A marked-up version of the claims is attached in APPENDIX A: "CLAIMS MARKED-UP TO SHOW CHANGES MADE"

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* (twice amended) A catalyst system for polymerizing ethylene alone or in combination with one or more olefin(s), comprising a cyclic germanium bridged bulky ligand metallocene-type catalyst compound and an activator, wherein the cyclic germanium bridged bulky ligand metallocene-type catalyst compound is represented by the formula:



where M is a Group 3 to 7 transition metal, each of L^A and L^B is an unsubstituted or substituted, cyclopentadienyl ligand or cyclopentadienyl-type bulky ligand bonded to M; $(R'GeR')_x$ is a cyclic bridging group bridging L^A and L^B , the two R's form a cyclic ring or ring system with Ge; independently, each Q is a monoanionic ligand, or optionally two

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| | | First Named Inventor | | Crowther, et al. | |
| | | Group Art Unit | | 1713 | |
| | | Examiner Name | | Rob Rábago | |
| Total Number of Pages in This Submission | | 7 | Attorney Docket Number | | 1999U033.US |
| ENCLOSURES (check all that apply) | | | | | |
| <input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input checked="" type="checkbox"/> After Final Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Documents) <input type="checkbox"/> Response to Missing Part/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | | <input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition To Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ | | <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Additional Enclosure(s) (please identify below): | |
| REMARKS | | | | | |
| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | | | | | |
| Firm Or Individual name | Douglas W. Miller | | | Registration No. | 36,608 |
| Signature | <i>Douglas W. Miller</i> | | | | |
| Date | January 21, 2003 | | | | |
| CERTIFICATE OF FACSIMILE TRANSMISSION | | | | | |
| I hereby certify that this paper is being facsimile transmitted to the United States Patent and Trademarks Office on this date: | | | | | |
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| Signature | <i>Veronica Nemeth</i> | | | Date | January 21, 2003 |

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